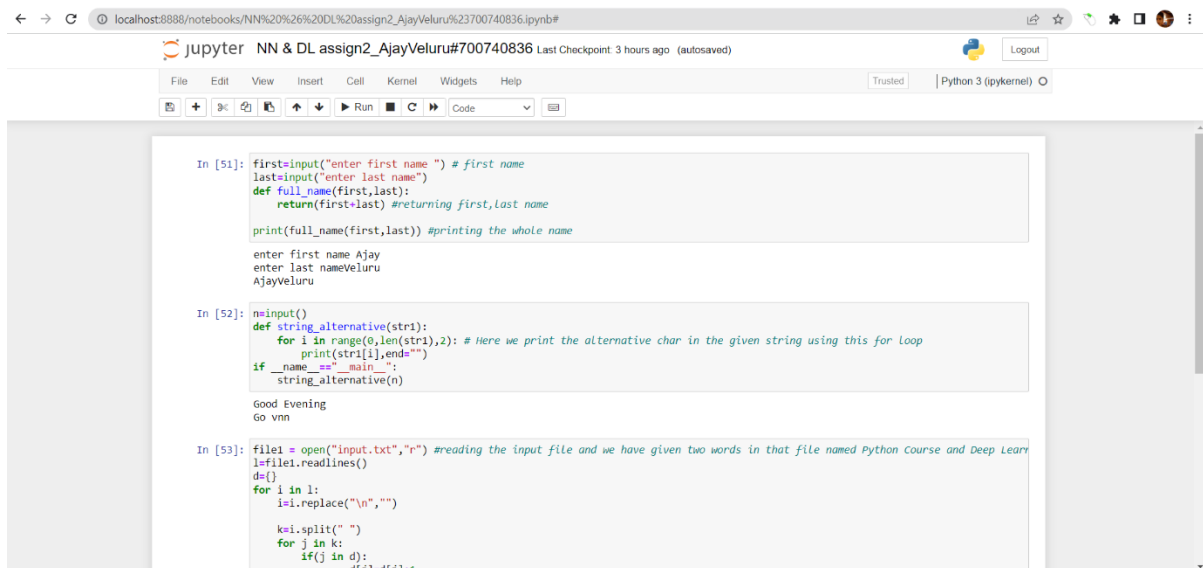


# Neural Networking & Deep Learning

## Assignment-2

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```
In [51]: first=input("enter first name ") # first name
last=input("enter last name")
def full_name(first,last):
    return(first+last) #returning first,last name

print(full_name(first,last)) #printing the whole name

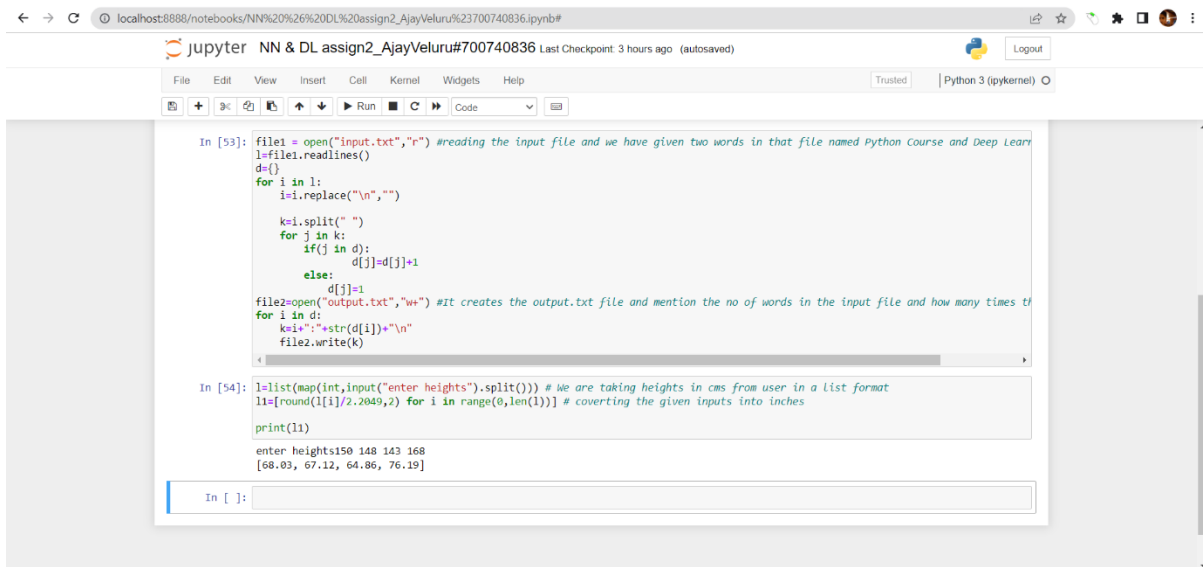
enter first name Ajay
enter last name Veluru
AjayVeluru

In [52]: n=input()
def string_alternative(str1):
    for i in range(0,len(str1),2): # Here we print the alternative char in the given string using this for loop
        print(str1[i],end=" ")
if __name__=="__main__":
    string_alternative(n)

Good Evening
Go vnn

In [53]: file1 = open("input.txt","r") #reading the input file and we have given two words in that file named Python Course and Deep Learning
l=file1.readlines()
d={}
for i in l:
    i=i.replace("\n","")
    k=i.split(" ")
    for j in k:
        if(j in d):
            d[j]=d[j]+1
        else:
            d[j]=1
file2=open("output.txt","w") #It creates the output.txt file and mention the no of words in the input file and how many times the words appeared
for i in d:
    k=i+": "+str(d[i])+"\n"
    file2.write(k)
```

- In the first question we are taking first and last name from the user with the help of input methods and using full\_name method and taking two parameters like first and last name and printing the full name of the user on the output console.
- In the second question we are taking input string from the user in the for loop the increment is two so it will print alternative characters in the string.



```
In [53]: file1 = open("input.txt","r") #reading the input file and we have given two words in that file named Python Course and Deep Learning
l=file1.readlines()
d={}
for i in l:
    i=i.replace("\n","")
    k=i.split(" ")
    for j in k:
        if(j in d):
            d[j]=d[j]+1
        else:
            d[j]=1
file2=open("output.txt","w") #It creates the output.txt file and mention the no of words in the input file and how many times the words appeared
for i in d:
    k=i+": "+str(d[i])+"\n"
    file2.write(k)

In [54]: l=list(map(int,input("enter heights").split())) # We are taking heights in cms from user in a list format
l1=[round(l[i]/2.54,2) for i in range(0,len(l))] # converting the given inputs into inches

print(l1)

enter heights150 148 143 168
[58.03, 57.12, 54.86, 76.19]
```

-In the Second question we are reading the text given in the input.txt file which has two words.They are Python Course and Deep Learning Course. Using the split method its gonna split the words give the words count and the no of times it appeared in the input.txt file.

-In the final Question we are taking the input of heights from the user as a list and converting them into inches using the divider operator.

Github link: <https://github.com/Ajay-Reddy564/NN-DL-Assignment2-700740836>

Video Link: <https://www.loom.com/share/e4a2c3d8f611497b8ecece049c5b16a8>